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54 **Power train for four wheel drive vehicle.**

57 A driving power transfer system for a four-wheel drive vehicle, wherein the wheels on either front or rear end of the vehicle are driven by the power taken off from a transmission (6), while the power taken off from said transmission is distributed, by a driving power distribution unit (8), to the wheels on the other end of the vehicle, characterized by the fact that the case of this transfer system is divided into at least one main case (10-1) and at least one detachable side case (10-2) mounted on said main case (10-1), an intermediate shaft (24), connected to either the main shaft (20) of the transmission (6) or to the wheels on the front or rear end of the vehicle, and the input shaft (46) of the intermediate power distribution system, connected to the wheels on the other end of the vehicle, are installed so as to be supported by the said main case (10-1) and said side case (10-2), on the end of the main shaft (20), intermediate shaft (24) and input shaft towards the side case (10-2), detachable primary and secondary sets of intermediate gears interconnect these shafts with each other.

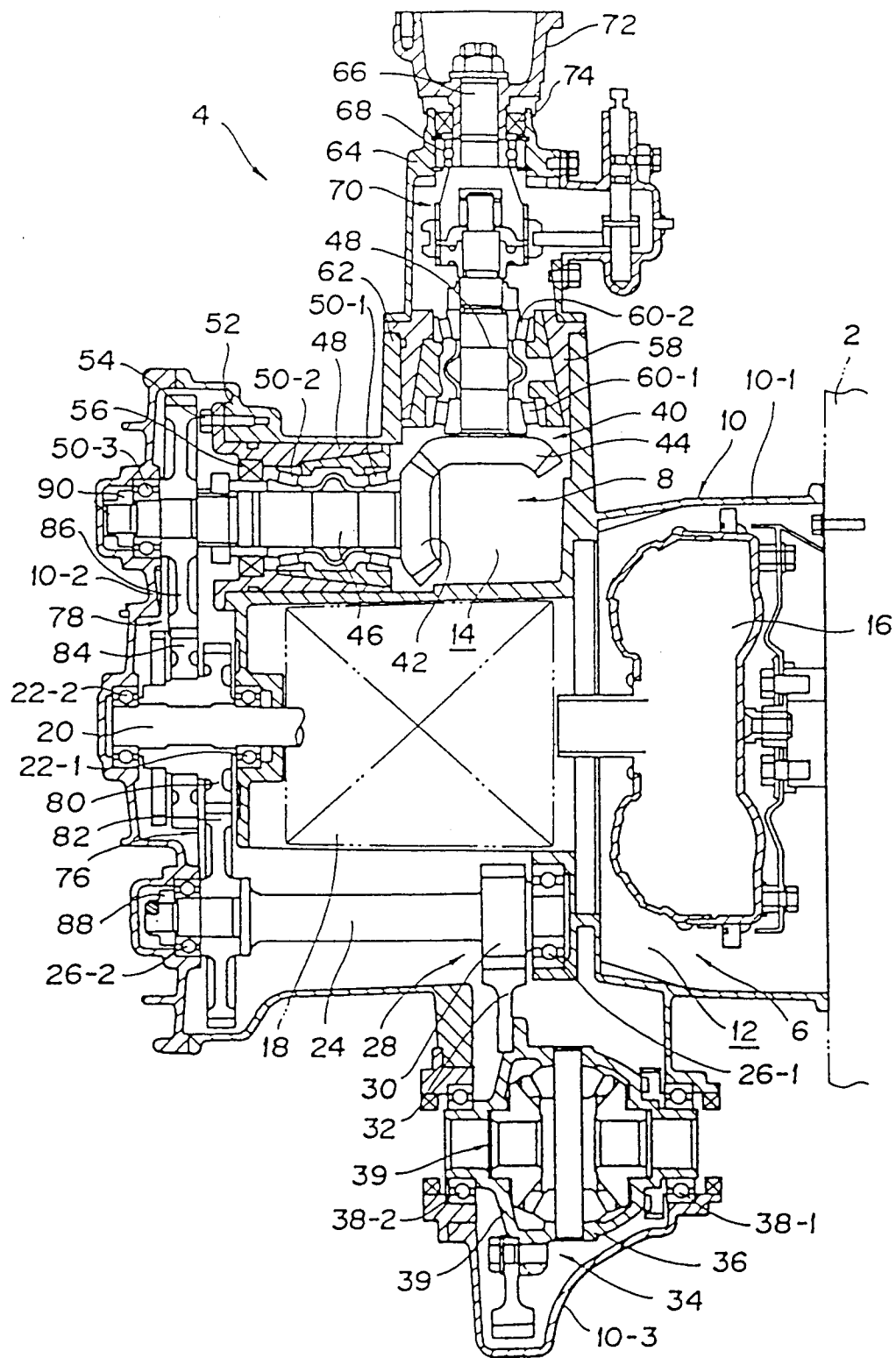


FIG. 1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

DOCUMENTS CONSIDERED TO BE RELEVANT			EP 91400848.7
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	<u>EP - A2 - 0 202 951</u> (TOYOTA) * Fig. 1 * --	1, 2	B 60 K 17/34 B 60 K 17/08
A	<u>DE - A1 - 3 522 058</u> (FUJI) * Fig. 1b; page 4, lines 1-8 * --	1, 2	
A	<u>DE - A1 - 3 500 099</u> (DANA) * Fig. 5 * --	1, 2	
A	<u>DE - A1 - 3 428 574</u> (TOYOTA) * Fig. 1 * --	1, 2	
A	<u>AT - B - 390 036</u> (STEYR-DAIMLER-PUCH) * Claim; fig. * --	1, 2	
A	<u>DE - A1 - 3 044 712</u> (FUJI) * Totality * & JP-B2-62-43 884 --	1, 2	TECHNICAL FIELDS SEARCHED (Int. Cl.5) B 60 K F 16 H
A	<u>DE - A1 - 3 401 592</u> (HONDA) * Totality * & JP-B2-63-35 444 --	1, 2	
D			
D			
D, A	<u>JP - B2 - 63-5 294</u> * Totality * ----	1, 2	
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 23-10-1991	Examiner KREHAN
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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